

METHOD AND APPARATUS FOR INTEGRATING SIX SIGMA METHODOLOGY  
INTO INSPECTION RECEIVING PROCESS OF OUTSOURCED SUBASSEMBLIES,  
PARTS, AND MATERIALS: ACCEPTANCE, REJECTION, TRENDING, TRACKING  
AND CLOSED LOOP CORRECTIVE ACTION

ABSTRACT

A method for integrating Six Sigma into an inspection receiving process of outsourced products may include the following steps: defining specification limits for product acceptance criteria; identifying and reporting a substandard product to authorized personnel for disposition via a MES (manufacturing execution system) and SCADA (supervisory control and data acquisition); preparing a report containing historical data, identifying root cause and assigning a corrective action; segregating the substandard product, and documenting the substandard product in the MES; disposing the substandard product; documenting and recording the corrective action in the MES; and outlining a method of recovery and eliminating a non-conforming incoming product. The present method may provide a means for a Closed Loop Corrective Action (CLCA).